

DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY ALASKA
Fort Richardson, Alaska 99505-5000

United States Army Alaska Regulation 750-8

1 February 2004

Vehicle Markings

Bumper Numbers, Convoy and HAZMAT Markings

Summary. This regulation establishes a USARAK standard for the marking of bumper numbers on all tactical and combat military vehicles and covers vehicle cleanliness, which includes visibility and identification during movements. This regulation also gives a synopsis of convoy markings and markings applicable to all vehicle carrying HAZMAT materials.

Applicability. This regulation is applicable to all organizations assigned or attached to USARAK.

Supplementation. Supplementation of this regulation is prohibited without prior approval from the USARAK G4, Plans and Operations Branch, AVPR-RDL-SP.

Impact on the New Manning System. This regulation does not contain information that affects the New Manning System.

Interim changes. Interim changes to this regulation are not official unless they are authenticated by the Director of Information Management. Users will destroy interim changes upon expiration dates unless sooner superseded or rescinded.

Suggested improvements. The proponent agency of this regulation is the USARAK G4, Plans and Operations Branch. Users are invited to send comments and suggested improvements on Department of the Army (DA) Form 2028 (Recommended Changes to Publications and Blank Forms) directly to AVPR-RDL-SP.

1. Purpose

The purpose of this regulation is to establish standardization for all USARAK units' bumper numbers on military tactical and combat vehicles. This regulation also provides a working synopsis of convoy and HAZMAT vehicle markings, but does not supersede information and updates found in other USARAK regulations, Field Manuals and Army Regulations.

2. References

a. Required References

- (1) AR 55-29: Military Convoy Operations in CONUS
- (2) Title 49, Code of Federal Regulations
- (3) FORSCOM Regulation 55-1: Transportation and Travel: Unit Movement Planning
- (4) FM 4-01.011: Unit Movement Operations
- (5) FM 55-65: Strategic Deployment

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- (6) USARAK Regulation 55-2: Transportation and Travel: United States Army Alaska Transportation Operation and Planning in Alaska
- (7) DA Technical Bulletin (TB) 43-0209: Color, Marking, and Camouflage Painting of Military Vehicles, Construction Equipment and Materials Handling Equipment
- (8) TM 9-2320-387-10: Operators Manual for Truck, Utility: S250 Shelter Carrier, 4X4, M1113 and Truck, Utility: Up-Armored Carrier, 4X4, M1114

b. Related Publications

- (1) DA Form 2028 Recommended Changes to Publications and Blank Forms
- (2) DD Form 836 Dangerous Goods Shipping Paper (HAZMAT)
- (3) DD Form 626 Motor Vehicle Inspection (Transporting Hazardous Materials)

3. Responsibilities

a. The USARAK G4 is responsible for coordinating policy with higher headquarters and technical activities and publishing such policy to the command promptly.

b. All USARAK units are responsible for ensuring that their military tactical and combat vehicles and equipment conform to the standard set forth in this regulation and all other references listed above.

4. Cleaning

a. The windows, lights, rearview mirrors, and vehicle markings of all USARAK military vehicles must be kept clean at all times in order to provide visibility and allow the vehicle to be identified. This is especially important during any operation on a public roadway and Field Training Exercises (FTX). During convoy operations, the vehicles windows, lights, rearview mirrors, and vehicle markings must be cleaned during each required stop along the route and/or as necessary. During FTXs, vehicle cleanliness must be maintained throughout the exercise, as needed, but at least once daily. Therefore, all vehicles must carry cleaning supplies consisting of, at a minimum, glass cleaner, paper towels or rags, snow removal brush, and ice scraper. When leaving from the unit's point of origin, the windows, lights, rearview mirrors, and vehicle markings of all vehicles must be completely free of dirt and snow.

b. All windows on the vehicle must be clean and free of snow and dirt at all times as to provide enough visibility to safely operate the vehicle and also to allow others to look inside the vehicle from all angles. The rearview mirrors must be free of snow and clean enough to provide visibility to the driver from any angle.

c. The headlights must be clean enough to see at least 50 feet in front of the vehicle at all times. The taillights, marker lights and turn signals must be clean enough to be visible from 50 feet when turned on.

d. The bumper numbers, other identifying markings (i.e. FLA Red Cross, Military Police, etc...) and all safety markings (i.e. rear red reflective markers, HAZMAT placards, etc...) around the vehicle must be wiped clean and easily readable (not faded).

e. All USARAK units must use the guidelines set forth in Appendix A that provides instructions for cleaning soft-top plastic windows and ballistic windshield and windows. This also includes

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Procedures to be used on the inner plastic laminate surfaces of ballistic glass. Soldiers may clean outer surface of ballistic glass the same as plain glass.

5. Vehicle Markings

a. All tactical vehicles in USARAK will fall under the guidelines established below for marking the bumper numbers, windshield nameplates, and other specialized vehicle markings. This reference establishes a standard for all vehicles in USARAK.

b. All USARAK bumper numbers will be in accordance with TB 43-0209 (pages 15-16) and this USARAK regulation. All vehicle markings will be painted with Chemical Agent Resistant Coatings (CARC) paint. The bumper numbers will be encased in a Sand (color number 33303, NSN 8010-01-141-2416) box and stenciled with 2 inch black (color number 37030, NSN 8010-01-141-2419) gothic style letters. Stencils will be obtained through DOL via work orders. Vehicles under 2½ tons, to include HMMWV's, trailers, vehicles with small bumpers, and some construction equipment, will have the Sand background extending ¼ inch around the lettering. Vehicles 2½ tons and larger will have bumper numbers encased in a box with the dimensions W 8½ x H 6½. See Appendix B for examples of proper bumper number lettering, placement and unit identification markings.

c. All vehicles will have nameplates in both the driver and passenger sides of the windshield.

(1) Size and material: 7/8" X 8 ½" of standard 8 ½" X 11" copy paper.

(2) Size and font of letters: the letters will be pitch size 48, bold print, centered, Arial font, and laser printed. If the name is too long, shrink the letters so they fit on one line and still maximize the use of space on the nameplate. The paper will extend a ¼ inch around the nameplate.

(3) Placement of the nameplate: the nameplate will be taped to the inside of the windshield using adhesive acetate, to the lower corner and to the outer edge of each windshield. The acetate will extend ¼" on all sides of the nameplate.

d. All USARAK vehicles and trailers will display red reflective L-shaped symbols 12 inches long and 2 inches wide on both sides of the vehicle/trailers body in the rear lower corners. (See Appendix C)

e. All vehicles and/or trailers carrying hazardous (HAZMAT) materials must have a placard clearly placed on all four sides of the vehicle and or trailer. The unit HAZMAT certified soldier will determine if Placards are required. It is imperative that when transporting HAZMAT materials that the unit HAZMAT certified soldier is consulted for information concerning the proper handling, packaging, and transport of materials, information on how to properly complete the necessary paperwork, assist in utilizing the proper placard and ensuring proper placement. Also, it is crucial to reference the most recent CFR 49, as it is constantly updated. Once the HAZMAT material has been removed from the vehicle/trailer, all placards must be completely removed.

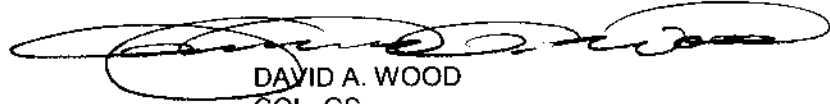
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Appendix A Plastic Window Cleaning

A-1: The following is an extract from TM 9-2320-387-10, Titled: Operators Manual for Truck, Utility: S250 Shelter Carrier, 4X4, M1113 and Truck, Utility: Up-Armored Carrier, 4X4, M1114, dated 6 Feb 02 and provides specific guidance for the care and cleaning of plastic windows and ballistic windshields.

CAUTION

Never clean plastic windows with abrasives. Repeated use of abrasives or failure to follow instructions below will eventually cause damage to windows.

NOTE

This paragraph provides instructions for cleaning soft top plastic windows and ballistic windshield and windows. This procedure is to be used on the inner plastic laminate surfaces of ballistic glass. Clean outer surface of ballistic glass as you would plain glass.

a. Plastic Window Cleaning.

- (1) Wash windows using soap, water, and a soft, clean cloth.
- (2) Rinse with clean water.
- (3) Apply cream cleaner (appendix D, item 5) to plastic windows.
- (4) Wipe cream cleaner off with dry cloth. Cream cleaner improves visual clarity after cleaning with soap and water.

a.1. Plastic Window Cleaning - Fungus and Mold.

- (1) Wash windows using soap and water and a soft, clean cloth.
- (2) Rinse with clean water.
- (3) Using a soft, clean cloth and isopropyl alcohol (Appendix D, Item 1.01), clean off fungus and mold.
- (4) Wipe area with soft, clean cloth.

b. Ballistic Glass Cleaning.

CAUTION

- Do not clean interior surfaces of ballistic glass by any other means than specified below.
 - Do not use a scraper or other objects with sharp edges that may scratch the inside surfaces of ballistic glass.
 - Do not apply stickers, labels, solvents, abrasive materials, or cleaners.
- (1) Remove dust and loose abrasive particles using clean, filtered air at 20 psi (138 kPa) maximum.
 - (2) Wash with mild detergent (appendix D, item 6) and warm water. Dry using a soft, clean cloth.
 - (3) Remove stubborn marks and stains using a soft, clean cloth and equal parts by volume of isopropyl alcohol (appendix D, item 18) in water.
 - (4) Repeat step (2).

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Appendix B Bumper Number Format

B-1: The following is the standardized format to be used on all USARAK vehicles in accordance with DA Technical Bulletin (TB) 43-0209: Color, Marking, and Camouflage Painting of Military Vehicles, Construction Equipment and Materials Handling Equipment, pages 15-16. Unit identification markings will be divided into four elements arranged from left to right and top to bottom:

- (1) Major Command, Organization or Activity
- (2) Intermediate Organization or Activity
- (3) Unit or Activity
- (4) Vehicle or Equipment number

Units in USARAK will conform to the following standards.

172nd BRIGADE:

Standard format:

172 SBCT

2-1 IN

B-41

Suggest use of linear format for trailers, some smaller bumpers, etc...

172 SBCT/2-1 IN

B-41

BATTALION: Any battalion whose higher echelon is USARAK

Standard format:

USARAK

TF 1-501

STB

DS-101

Suggest use of linear format for trailers, some smaller bumpers, etc...

USARAK/STB

98 MT/DS-101

COMPANY: Any company whose higher echelon is USARAK

Standard format:

USARAK

164 MP

MP-11

Suggest use of linear format for trailers, some smaller bumpers, etc...

USARAK/164MP

MP-11

B-2: Tables B-1 through B-5 show examples of where bumper numbers are to be placed, sizing of sand background and examples of unit markings. The format for the HMMWV will be slightly altered due to lack of space and aesthetics. The Major Command will be deleted from the front of the bumper, therefore only the vehicle bumper number will be on the right side of the front bumper. The rear of the bumper will not change from the format given above

Table B-1: FMTV/LMTV markings

Table B-1: HEMTT Markings



**USARAK
STB**

**98 MT
DS-102**



**USARAK
STB**

**98 MT
DS-102**

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Table B-2: FMTV/LMTV Markings



**USARAK
STB**

**98MT
DS-101**



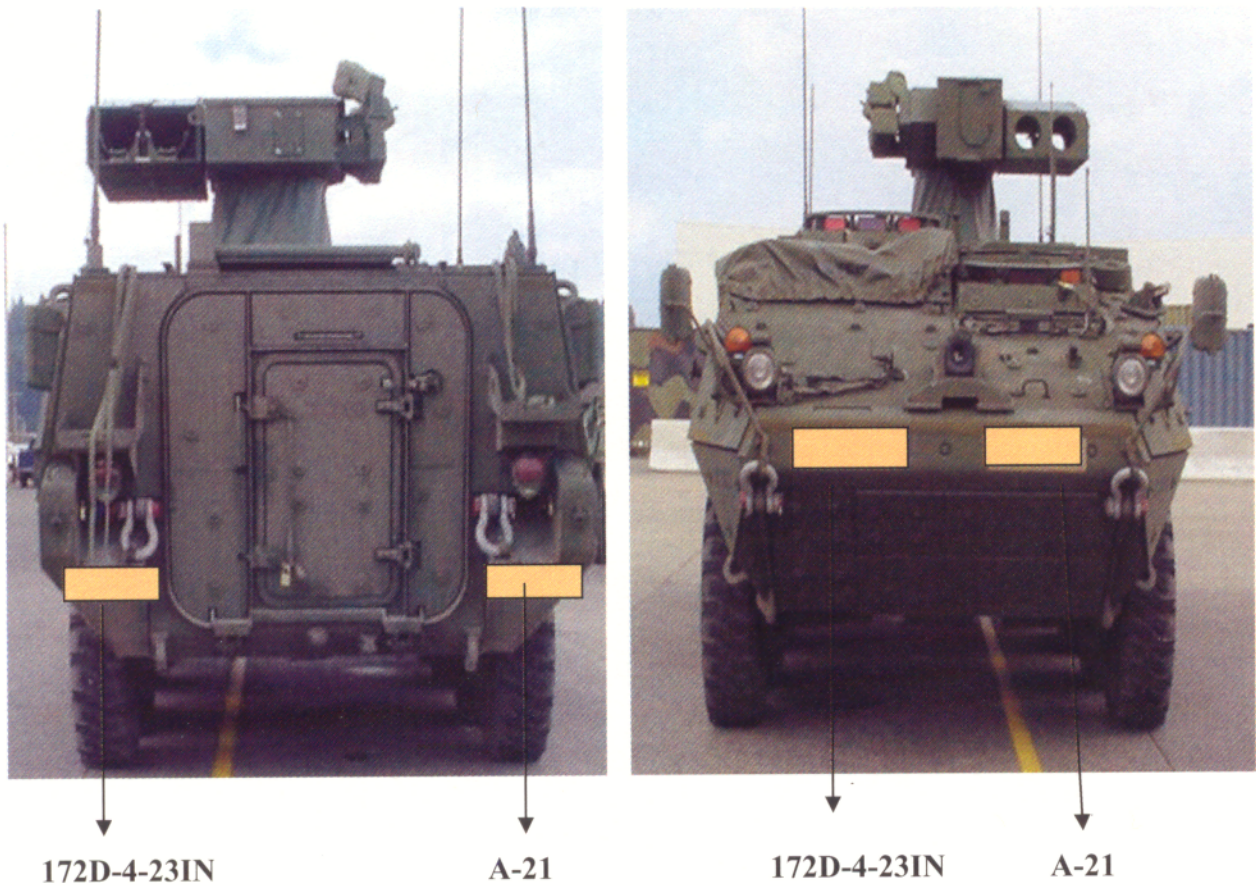
**USARAK
STB**

**98MT
DS-101**

Box Size:
W 8½ x H 6½

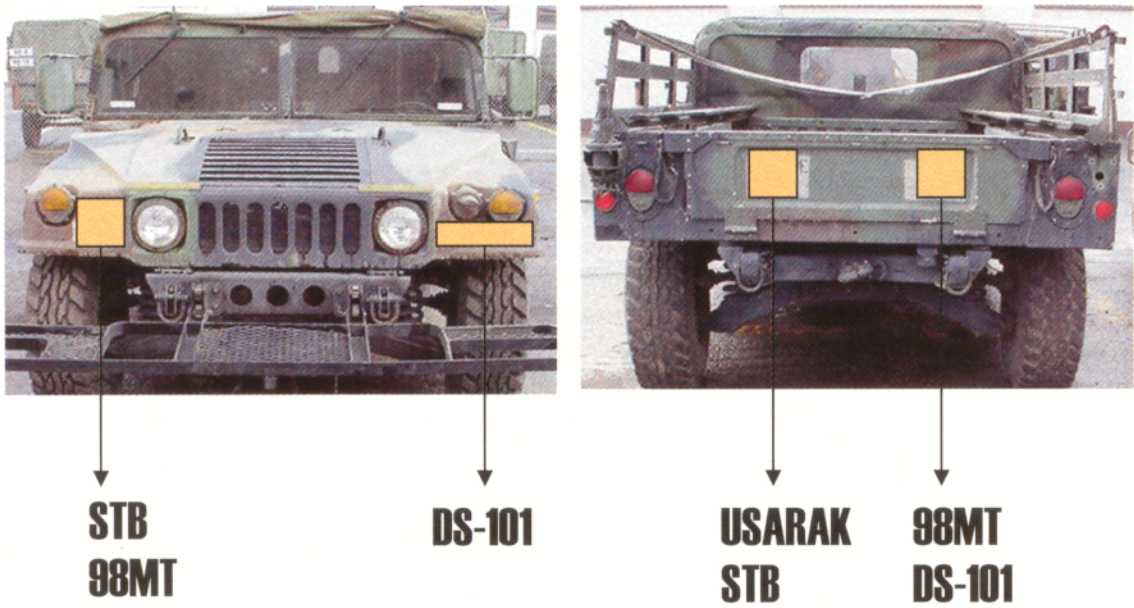
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Table B-3: STRYKER Markings



Box Size:
W 8 ½ x H 6 1/2

Table B-4: HMMWV Markings



Box Size:
Extends 1/4 inch around lettering

Table B-5: M998 Markings



**USARAK
STB**

**98MT
DS-101**

**Box Size:
Extends ¼ inch around
lettering**

Table B-6: Trailer Markings



**USARAK
STB**

**98MT
DS-101**

**Box size larger trailers:
W 8½ x H 6½**

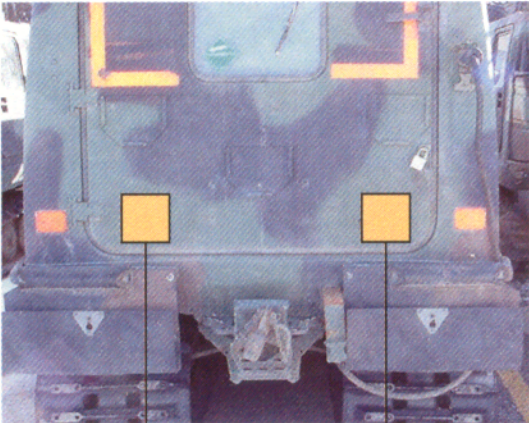
**Box size smaller trailers:
Extends ¼ inch around lettering**

Table B-7: SUS-V Markings



**USARAK
STB**

**98MT
DS-101**



**USARAK
STB**

**98MT
DS-101**

**Box Size:
W 8½ x H 6½**

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Appendix C Reflective Markings

C-1: All vehicles and trailers in USARAK will display L-Shaped reflective markings. Tables C-1 through C-6 show the proper placement of the reflective symbol on the rear and at the lower corners of vehicles and trailers in accordance with FM 4-01.011, Appendix C. The Reflective L-Shaped symbol will consist of red reflective tape that is 12 inches long and 2 inches wide.

Table C-1: FMTV/LMTV

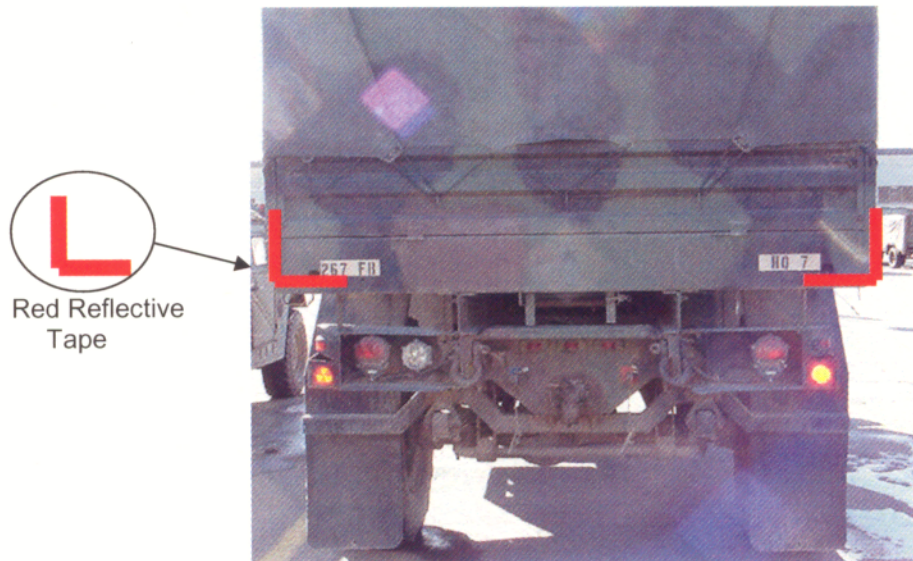


Table C-2: HMMWV



Table C-3: M998

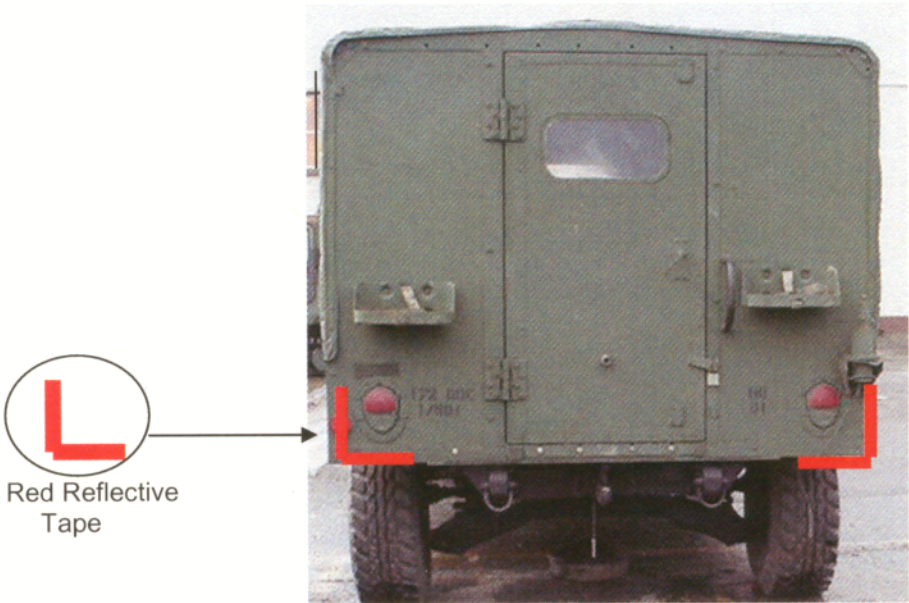
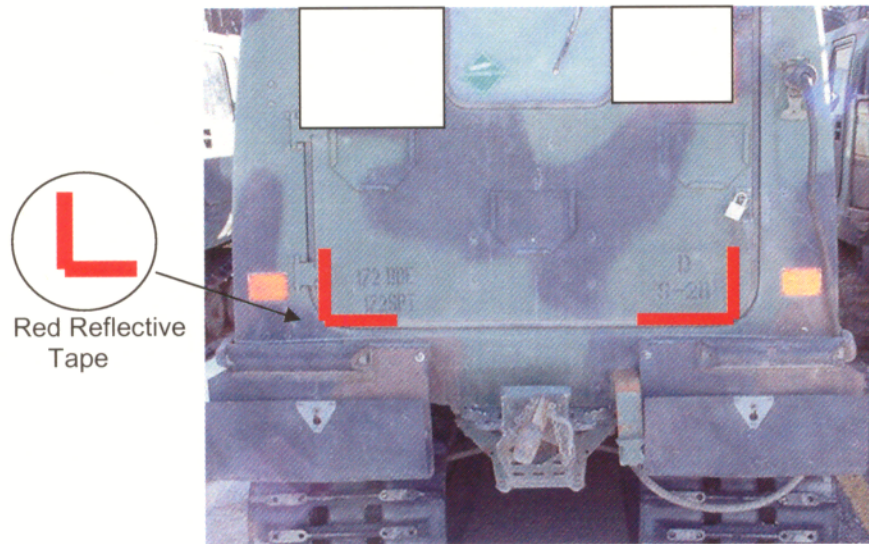


Table C-4: Trailers

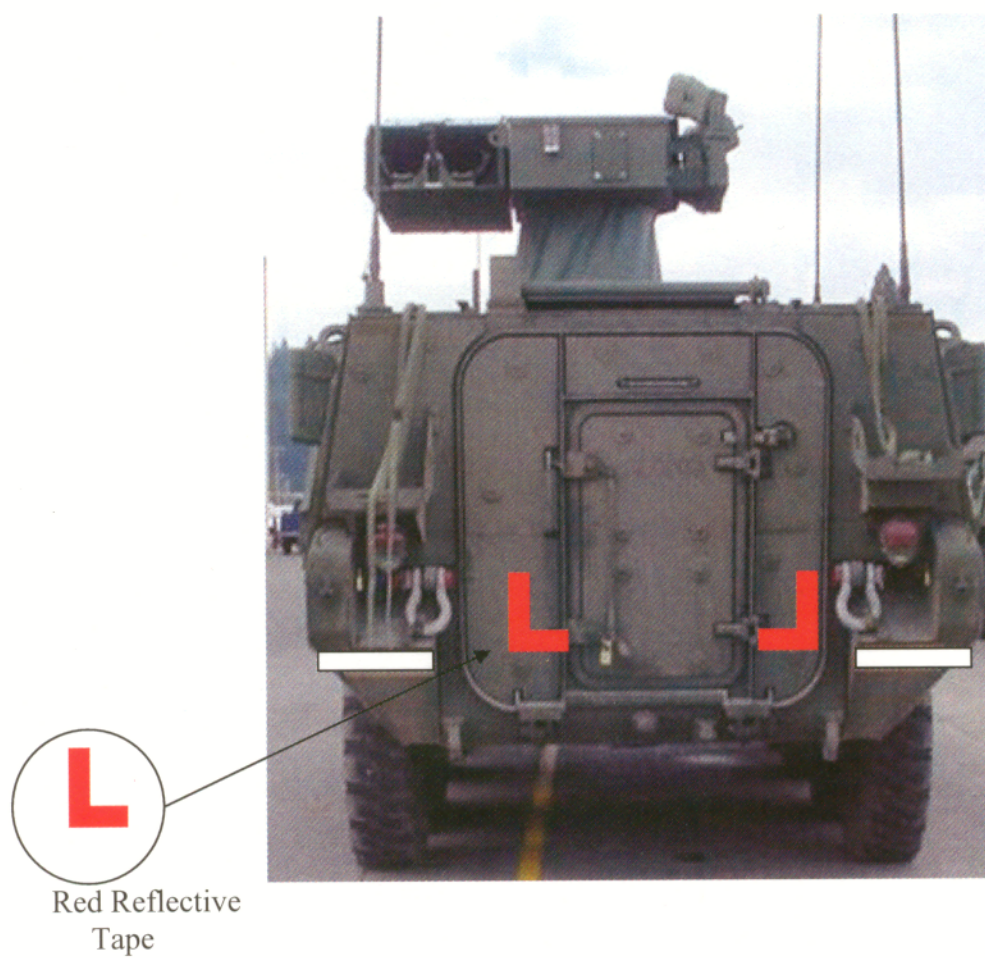


Table C-5: SUS-V



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Table C-6: STRYKER



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Table C-7: HEMTT Markings

